MICHAEL P. HEIN County Executive

CAROL M. SMITH, MD, MPH Commissioner of Health

PERMIT TO CONSTRUCT A SWIMMING POOL

FEE SCHEDULE

- 25,000 gallons capacity	\$100.00
+25,000 gallons capacity	
+50,000 gallons capacity	

☐ Please make check or money order payable to: <u>Ulster County Commissioner of Finance</u>

ALL PERMIT APPLICATION FEES ARE NON-REFUNDABLE

☐ Please return engineering plans and Engineering Report (DOH-1309) and fee to:

Ulster County Department of Health Environmental Health Services Division 300 Flatbush Avenue Kingston, NY 12401-2740

NEW YORK STATE DEPARTMENT OF HEALTH Division of Environmental Protection

Engineering Report for Swimming Pool Plans

Design Compliance with Subpart 6-1 NYS Sanitary Code

	For Office Use Only
Compute	Pr# Date_
Section A	
General:	1. Owner of Pool
	2. Name of Pool
	3. City, Town, Village County
	4. (Check One) New Pool Change to Existing Pool
	5. Type of Pool (check as applicable)
	Indoor Pool Outdoor Pool Spa Outdoor Spa Indoor Spa Indoor 4
	Wading Pool 5 White Water Slide 6 Wave Pool 7 Other 8
	Movable Bottom Pool 9 Special Purpose Pool 10
	6. Anticipated Date of Start of Construction
	7. Estimated Date of Completion
Section B	
Pool Config	
	1. Type of Construction
	2. Length Width Area
	3. Shape: Rectangle Square L-Shaped Z-Shaped Z-Shaped 4
	U-Shaped Oval Other
	4. Depths Minimum Maximum Maximum
	5. Pool Capacitygallons
	6. Transition Slope Shallow to Deep End In Shallow End
Section C	
Bather Ca	pacity:
	1. Maximum Number of Bathers Permitted to Use Pool at One Time
	2. Spa Bather Capacity: Area + 10 =
Section D	
Water Sup	
Water Source	<u> </u>
	3. Water Source for Swimming Pool Use
	Quantity Available gpm
	7. Fill Pipe (describe method, size, location)
	- This ipo (describe method, size, location)

<u>Secti</u>	on E	
De	eck E	Equipment
	1.	Ladders: Number Locations
	2.	Physically Disabled Access
	3.	Diving Boardsft. Above Water, Depth of Diving Areaft., Length
		ft. Above Water, Depth of Diving Areaft., Length
		Water depth under starting blocksft.
	4.	Deck Slide Location
	5.	Location of 4" Stripe Height of Numerals Material
	6.	Deput Markers. Opacing
	7.	Fencing/Barrier Heightft.
	8.	Max. Opening Verticals/Horizontals/Under Fence
,	9.	Self-Closing Gates Yes No
		Positive Latching Device Yes No
		Height of Latch Above Grade inches
	12.	Elevated Lifeguard Chairs: No. & Location
	13.	Recessed Steps: Riser inches Tread inches
	14.	Stairs: Tread inches Riser inches
Sec	tion	
, R	ecir	culation Equipment
	1.	Recirculation Pump: gals. capacity hrs.
		Make Model # I urnover gpm x 60
	2.	Pipe Material Main Drain Suction Pipe Inlet Pipes Main Drain Grate
		Size —
		Length Velocity ————
	ð	Head Loss Computations, Pump Curve (attached) Yes No
		Hair Catcher: Pipe Size Basket Diameter Depth Depth
		Vacuum Cleaner: Make Type Piping Size Hose Length ft.
		Filters
	٥.	Type Make No Filter Medium
		Area Each Filter x x = sq. ft. Total Area
		Filtration Rate $\frac{gpm}{sq. ft.} = \frac{gpm}{sq. ft.} = \frac{gpm}{sq. ft.} = \frac{gpm}{sq. ft.}$
		Body Feeder Capacity (D.E.)
		Pressure Gauges 8. Rate Controllers 9. Flow Meter: Make Model #
	10.	Inlets No Spacing Depth Size Adjustable
		Make Model #
		IVIANE WICKST II

ool Waste Drain		
•		
	· • • • •	Number of Grates
-	•	
·	~	ntion
5. Main Drain:	Spacing	Distance from the Wall
6. Gutter Type		Size Drain Spacing
7. Surge Capacity	(provided computations)	
8. Skimmers:	Make/Model #	Number Location
•	Pipe Size	Flow Rate Through Skimmer
	Equalizer Lines Provided	
	Deck Drain Spacing	Slope to Drain
tion H		
	nd Test Equipment	
	_	
• •		Maximum Dosage Point of Application
6. Operation Cont		
•		Chlorine Residual Test Kit (Range)
	inge)	
		Automatic deactivation device provided Yes
•		posal
Describe Facilit	ties for Sanitary Waste Disp	
Describe Facilit Have Plans for	ties for Sanitary Waste Disp Facility Been Approved?	Yes No
Describe Facilit	ties for Sanitary Waste Disp Facility Been Approved?	
Describe Facilit Have Plans for Describe Facilit	ties for Sanitary Waste Disp Facility Been Approved? ties for Pool Waste Disposa	Yes No
 Describe Facilit Have Plans for Describe Facilit Filter Wash Wash 	ties for Sanitary Waste Disp Facility Been Approved? ties for Pool Waste Disposa	Yes No Al (including point of discharge) The Gutter Waste
Describe Facilit Have Plans for Describe Facilit Filter Wash Wash Wash	Facility Been Approved? ties for Pool Waste Disposa	Yes No al (including point of discharge) m Gutter Waste 6. Vacuum Cleaner Waste
Describe Facilit Annual Plans for Describe Facilit Filter Wash Wash Union J	ties for Sanitary Waste Disparate Facility Been Approved? ties for Pool Waste Dispose	Yes No al (including point of discharge) m Gutter Waste 6. Vacuum Cleaner Waste
1. Describe Facilit 2. Have Plans for 3. Describe Facilit 4. Filter Wash Wation J	Facility Been Approved? ties for Pool Waste Disposa	Yes No al (including point of discharge) m Gutter Waste 6. Vacuum Cleaner Waste
1. Describe Facilit 2. Have Plans for 3. Describe Facilit 4. Filter Wash Waion J thhouse Facilities of Showers	Facility Been Approved? ties for Pool Waste Disposa	Yes No al (including point of discharge) m Gutter Waste 6. Vacuum Cleaner Waste
1. Describe Facilit 2. Have Plans for 3. Describe Facilit 4. Filter Wash Waion J thhouse Facilities Showers Lavatories	Facility Been Approved? ties for Pool Waste Disposa	Yes No al (including point of discharge) m Gutter Waste 6. Vacuum Cleaner Waste Women
1. Describe Facilit 2. Have Plans for 3. Describe Facilit 4. Filter Wash Wash ion J thhouse Facilities Showers Lavatories Tollets Urinals	Facility Been Approved? ties for Pool Waste Disposa ater 5. Scur (Numbers Provided) Men	Yes No al (including point of discharge) m Gutter Waste 6. Vacuum Cleaner Waste
1. Describe Facilit 2. Have Plans for 3. Describe Facilit 4. Filter Wash Wation July Showers Lavatories Toilets Urinals Stion K	Facility Been Approved? ties for Pool Waste Disposa ater	Yes No al (including point of discharge) m Gutter Waste 6. Vacuum Cleaner Waste Women
2. Have Plans for 3. Describe Facilit 4. Filter Wash Watton J thhouse Facilities Showers Lavatories Tollets Urinals tion K esaving Equipmen	Facility Been Approved? ties for Pool Waste Dispose ater 5. Scur (Numbers Provided) Men	Yes No al (including point of discharge) m Gutter Waste
1. Describe Facilit 2. Have Plans for 3. Describe Facilit 4. Filter Wash Wation July Showers Lavatories Toilets Urinals Stion K	Facility Been Approved? ties for Pool Waste Disposa ater	Yes No al (including point of discharge) m Gutter Waste
1. Describe Facilit 2. Have Plans for 3. Describe Facilit 4. Filter Wash Wash Washouse Facilities Showers Lavatories Toilets Urinals tion K esaving Equipmen	Facility Been Approved? ties for Pool Waste Disposa ater	Yes No al (including point of discharge) m Gutter Waste
1. Describe Facilit 2. Have Plans for 3. Describe Facilit 4. Filter Wash Wation July Showers Lavatories Toilets Urinals tion Katherian Equipment 1. Lifesaving Equipment	Facility Been Approved? ties for Pool Waste Disposa ater	Yes No al (including point of discharge) Im Gutter Waste 6. Vacuum Cleaner Waste Women xxxx Torpedo or Ring Buoys or Rescue Tube ole Spine Board
1. Describe Facilities 2. Have Plans for 3. Describe Facilities 4. Filter Wash Wash Wash Wash Wash Pacilities Showers Lavatories Tollets Urinals tion K esaving Equipmen 1. Lifesaving Equi	Facility Been Approved? ties for Pool Waste Disposa ater	Yes
1. Describe Facilit 2. Have Plans for 3. Describe Facilit 4. Filter Wash Wash Wash on Jack of the Facilities of the	Facility Been Approved? ties for Pool Waste Disposa ater	Yes
1. Describe Facilit 2. Have Plans for 3. Describe Facilit 4. Filter Wash Wash Washouse Facilities Showers Lavatories Toilets Urinals tion K esaving Equipmen 1. Lifesaving Equi 2. First Aid: Cor 3. Chlorine Gas S Self Contained	Facility Been Approved? ties for Pool Waste Disposa ater	Yes

Electrical and Ventilation	· .
Describe Arrangements for Ventilation	
2. Underwater Lights:	
Number Make Model #	
Deck Junction Box Number Make Model #	
4. Underwriters' Certificate Yes No	
5. Other Hazards (explain)	
6. Overhead Illumination on Water Surface ft. candles	
7. Underwater Lights Watts/sq. ft. Provided	
8. Ground Fault Circuit Interruptors Provided Yes No	
Section M	
Spas 1. Maximum Water Depth	
Z. Waximan Dopin of any occurrence	
c. Stops. Houring.	
Deck Area Provided (Show Calculations) Added	
5. Thermostatic Control: Make Model	•
6. Alarm System/Timer Yes No	
7. Air Induction System, Arrangement for Backflow Prevention	·
8. Warning Sign Area	
Section N	
1. Water Slides	
Minimum Operating Water Depth Slide Flume Terminus	
Distance between sides of adjacent flumes ft. Distance between side of flume and end wall	, II.
2. Special Purpose Pool	
Stair Step Riser Step Tread Hand Rail Height	
INFORMATION:	E A SWIMMING
THIS FORM IS INTENDED TO INCLUDE FEATURES PERTINENT TO THE DESIGN AND OPERATION OF POOL. THE FORM SHOULD BE USED TO SUPPLEMENT THE NARRATIVE REPORT OF THE ENGINEE IN THE TRANSMITTAL OF PLANS TO THE HEALTH DEPARTMENT.	
Signature of Designing Engineer or Architect	
Data	
Date	
Adding	
Address	

Swimming Pool Plan Review Check Sheet

NEW YORK STATE DEPARTMENT OF HEALTH Division of Environmental Protection

Review of Compliance with Design Standard Subpart 6-1, NYS Sanitary Code

Name of Pool	••	Location (town,	village, city)	,				County	
Check One	☐ New Pool	☐ Change to ar	n Existing Pool		*				
Type of Pool (Check as applicable)	☐ Indoor☐ White Water Slide	Outdoor Pool Wave Pool	Spa Movable Bo	ttom F	Pool		ading Pool ecial Purp	ose Pool	Other (specify)
Pool Size	x, Ārea	sq. ft.	Pool C	apacit	у		gallons	•	
							csommund.		
2.1	it. Plan Submission								
2.1	a. Plan submission co specifications, eng b. Plans are readable Professional Engir	. report) , stamped, signed	and dated by		, 100 mm		Annual Communication of the Co	ggaggin e grove angre anna e a sa a sa a sa a sa a sa a sa a	
	2. Patron Use Maximum number of								
3.2.1 3.2.2	a. Shallow area ÷ 15 : b. (Deep area - 300 x Add (a+b) = Total	no. of boards) ÷ 2	25 =			-			
3.2.4	c. Spa bather load Spa area ÷ 10 =								•
4.0 4.1 4.2	3. Construction Material a. Inert, nontoxic, wat b. Rounded corners a Pool surface light i cleanable	ertight and enduri at wall and floor in	tersection						
5:3 5.3 5.6	4. Bottom Slope a. Bottom slope 1:12 b. 1:3 in shallow to de								
5.6 5.6 5.6.3	5. Diving Areas a. Meets all requirem diving envelope all b. Handrails provided	nd clearances							
5.7	to diving boards or	ne meter or above	the water						
5.8	Deck slides located a Acceptable location a steps and handrails								
5.9 5.9 5.9	8. Deck and drains a. Five feet continuor b. Impervious nonslip	surface (no carp	eting) ·						
5.9.1 5.9.2 5.9.2	c. Deck drainage slo d. Drain spacing, loc e. Protection against	ation is acceptable	•						

5.10 5.10.1 5.10.1 5.10.4 5.10.6	9. Fencing a. Opening in fence acceptable b. 4 foot minimum height c. No external handholds or footholds d. Self-closing and positive self-latching lockable gates
6.1.2 6.1.2 6.1.2 5.4 5.4	e. Latch location 10. Depth: Markings a. Depth markings at wall or deck, spaced not more than 25 feet, at 2 foot increments of depth, maximum, minimum point, break point b. Numeral height 4 inches or more c. Color contrasting with background d. Floatline at 5 feet breakpoint e. 4 inch stripe of contrasting color at breakpoint or 5 foot depth f. On steps or underwater ledges
6.2	11! Lifeguard chairs Lifeguard chairs are adequate and location is acceptable
6.3.2 6.3.2 6.4 6.4 6.4 6.4	12. Life Saving Equipment Provided (min. 2 units of (a) & (b) below) Check those provided a. Torpedo buoy , rescue tube with a 6 foot line , ring buoy at least 18 inches in diameter, fitted with 1/4 inch diameter line with a length of 1.5 times the maximum width of pool or 50 feet, whichever is less. b. One reaching pole 15 feet long c. Commercially available first aid kit d. Spine board e. Pocket mask
7.0 7.2.1 7.2.1 7.2.1.1 7.2.2 7.1.1	f. First aid room 13. Lighting, Electrical, Ventilation a. Wiring conforms to National Electrical Code b. Pool and metal fixtures properly bonded c. No overhead electrical wiring within 20 feet d. Ground fault interrupters provided e. Indoor pool - illumination over pool 50 foot candles, or with underwater lights, 30 foot candles f. Ventilation - two air changes per hour provided
8.3 8.2 8.1 8.5 8.5	a. Minimum 6 inches air gap provided on fill pipe b. Approved backflow preventer installed on discharge side of last control valve fixture, device or appurtenance c. Water supply meets Part 5 of Code d. Backwash disposal is thru air gap e. Air gap provided between drain discharge and sewer

					Controlling.	
9.0	T5. Turnover and Piping a. Turnover rate is acceptable					
9.2.2	b. Suction line velocity is less than 6 ft./sec.					
9.2.2	c. Pressure lines velocity is less than 10 ft./sec.				·	1
9.2.2 9.4	d. Piping details shown on plans e. Piping color coded		•			
9.4	e. Piping color coded		,			
9.5 9.5.1	16. Overflow System a. Gutters provided on (pools greater than					
9.5.1	1,600 sq. ft.)					
9.5.1.1	b. Capable of removing 100% of recirculation rate					1
9.5.1.3 9.5.2.4	 c. Surge capacity acceptable d. NSF listed skimmers with equalizer lines provided 					
9.5.2.1	e. Location and number of skimmers is acceptable			ļ		
& 9.5.2.2						
	and the second of the second o					
	17. Main Drains					
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	a. Minimum two drains provided; each designed to carry					
	100% of the recirculation flow					
9.6	b. Main drain(s) location is acceptable					
9.6.2	c. Suction velocity thru grate is less than 1.5 ft./sec.			DN2ST S	2	E. T.
	18. Pumps					
9.7.2	a. Make and model #, H.P		WINE TO	100000		2007 The Samuel Addition of
2.27	Capacity, @ Headft.				·	
2.2.7 9.7.2	 b. Pump curves and head loss calculations c. Pressure gauges provided 					` , .
9.8	19. Flow Measurement and Control					
9.8,1	a. Flow meter acceptable					
9.8.1 9.8.1	 b. Location of flow meter in straight run of pipe c. Rate of flow controllers provided 		1			
5.6.1	c. hate of now controllers provided					
9.9.	20 Inlets					
9.9.1	a. Placement and spacing acceptable b. Adjustable for direction and flow					
9.9.3	c. Flush with pool wall or floor					
		(S. JESMINEKAN)		/# w#ii/N######		
10.0	21 Cleans					
IU.U.	21. Filtration Filters meet standards of acceptability for:				TOTAL STREET,	
	a. Type, Make		ļ			,
	Model, Area		.			
į.	b. NSF Listed c. Filtration rate					
	d. Back wash rate					
	e. Pressure gauges					
L			.1		1	

87 (25.55) 21 Stailan	Spepanition 2	Yes	N.	N	communic to the second
11.0	22. Disinfection				
	Meets standards of acceptability for:			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
11.3 &	a. Chlorinator/brominator				
11.4	Number , Type , Make , Capacity,				
	Max Dosage, NSF Listed				
11.5	b. Chemical Feeder				
	Type, Make, Model, Capacity,				
	Max Dosage, NSF Listed				
11.3.2 11.2.1	c. Chemical storage, labeling				
11.2.1	 d. Gas chlorine room location, cylinder storage, ventilation, air intake, SCBA, fan switch location 				
	acceptable				
11.5.1	e. OGE installed along with chlorine or bromine				
	OGE design is acceptable G. Means to control off-gassing provided				
11.5.1.2	h. Corona discharge OGE uses vacuum system				
11.5.1.3 11.6	i. Backflow prevention provided for OGE				
11.0	 Recirculation pipe length adequate to provide 5 second contact time 			ŀ	
11.6.1	k. CO2 equipment room location, cylinder storage,				
11.7	ventilation, air intake acceptable I. Automatic deactivation device provided				
11.8	m. Test kit provided				
12.3	23. Bathhouse				
12.1	Meets standards of acceptability for: a. Dressing rooms				
12.4	b. Toilet facilities				
12.5	c. Showers	e gangganani eng	-pedawikana	or viciation	
14.0	24. Spas			- 55	
14.3 14.7.2	a. Acceptable design at steps and handrails b. Alarm system, thermostat control				
14.13	c. Warning sign				
14.11	d. Acceptable design of air induction system	Lensonesson	immajetstano	s Lindhossephilitis	
15.0	25. Special Purpose Pools				
15.3.1 15.1.1	a. Handicap access b. Water slides, plunge pool min. operating				
10.1.1	depth >3 feet		l		·
15.1.2.1	c. Distance between sides of adjacent flume			ļ	
15.1.2.1	terminuses is 6 feet or greater d. Distance between side of flume and end wall is				
	5 feet or greater				
15.4.3	e. Movable bottom pool clearly lit and visible, depth			1	
15.2.1	sign provided f. Wave pools - turnover rate is acceptable				
15.6	26. Starting Blocks				
and the second s	a. Meets recognized competition design standards				The state of the s
	b. Installed over a minimum water depth of 6 feet				

DOH-2434 (5/01) p 4 of 4			date				
na	ame		;	signat	ure		
Completed by							
	b. Installed over a minimum water depth of 6 feet						
	a. Meets recognized competition design standards						
15.6	26. Starting Blocks						
15.2.1	i. Wave pools - turnover rate is acceptable						
15.2.1	sign provided f. Wave pools - turnover rate is acceptable						
15.4.3	e. Movable bottom pool clearly lit and visible, depth	ı					
15.1.2.1	d. Distance between side of flume and end wall is 5 feet or greater					`	
45464	terminuses is 6 feet or greater						